

ecoENERGY Efficiency and Alternative Transportation Fuels

Presentation to the Behaviour, Energy and Climate Change Conference, Sacramento, California, November 13, 2012

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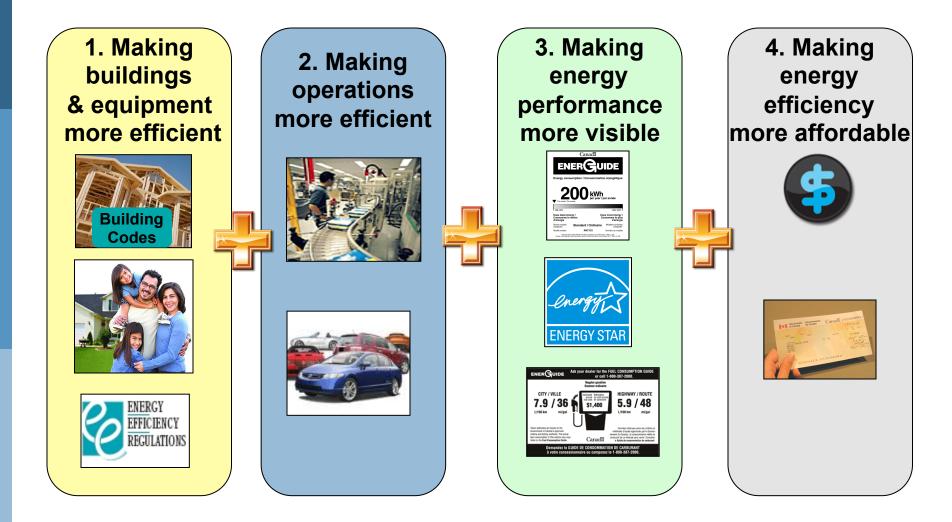
Canada's ecoENERGY Efficiency and Alternative Transportation Fuels Programs

- New Federal Government programs announced in 2011 - based on the positive results of the previous suite of programs (2007-2011):
 - EcoENERGY Efficiency Program \$195 million over 5 years (2011-2016)
 - Alternative Transportation Fuels Program \$3 million over 5 years (2011-2016)
 - ecoENERGY Retrofit Homes \$400 million over 1 year (2011-2012)





There are 4 major program components





Improve the efficiency of Canada's buildings and equipment

1. Making buildings & equipment more efficient

Building Codes

Housing Codes

Equipment Regulations

- Upgrade Model Code for Buildings by 20% over Code 2011
 - Builds on success of Code 2011 which is 25% better than previous code
 - Lead collaborative process with builders, developers, provinces and energy companies
- Upgrade home energy rating system
 - Support provincial code efforts
 - Energy will be the 5th objective in the National Building Code
- Implement standards for up to 18 products
 - Target lighting, heating, cooling, major appliances
 - Eliminate worst performers in market place





Provide industry with tools to be more efficient

2. Making operations more efficient

ISO energy management standard

Fleet Certification

- Support early implementation of ISO 50001 Energy
 Management Systems standard in industrial facilities and large buildings
 - Complete ISO 50001 Energy Management Systems implementation pilots
 - Cost-share energy assessments and ISO 50001 pilots
 - Transfer knowledge via workshops and webinars to enable business case development and action
- Implement US SMARTWAY recognition system on a pan-Canadian basis for freight carriers and shippers
 - Encourages freight carriers to reduce fuel use by:
 - Retrofitting vehicles with fuel saving technologies
 - Improving route planning and logistics
 - Encourages shippers to require SMARTWAY certification for their carriers
 - Energy data is benchmarked annually to highlight best performers





To complement energy efficiency measures, promote the use of alternatives to gasoline and diesel

- ecoENERGY for Alternative Fuels Program \$3 million over 5 years
- A new activity drawing from recommendations of the Natural Gas Use in the Canadian Transportation Sector Deployment Roadmap – a collaborative project of governments, the energy industry and the transportation sector
 - Roadmap investigates how to reap economic and environmental benefits from increased use of natural gas in transportation
 - Encompasses two pillars of action:
 - develop codes and standards for natural gas vehicles and infrastructure
 - create two support networks to deliver outreach and education to end-users and other key stakeholders



Make energy performance more visible to support better-informed decisions

3. Making energy performance more visible

Vehicle & Tire Labelling

Building Benchmarking

Home Labelling

Product Labelling

- Introduce mandatory labelling for vehicles
 - 3 provisions are planned:
 - Energy efficiency labels for new cars, vans and light trucks -2013,
 - Energy efficiency labels for heavy trucks -2015
 - Mandatory data submission for a tire energy efficiency program -2013
 - Supported by fuel consumption guide and driver training to help consumer make efficient choices
- Adapt the US Energy Star Building benchmarking tool
- Encourage best-in-class labels for new homes
- Enhance ENERGY STAR for products
 - Accelerates adoption of high efficiency products ENERGY STAR label first, then introduce performance standard
 - Introduce Most Efficient ENERGY STAR along with US to focus attention on top performers in strong classes





Make energy efficiency more affordable for Canadians

4. Making energy efficiency more affordable

 Re-investment of \$400 million for one year in existing home retrofit program

Retained existing program elements to simplify implementation

Home Retrofits

 Pre and post-retrofit evaluation was required to ensure results-based program



- Over 250,000 households registered for the program
- Program ended on March 31, 2012 as scheduled

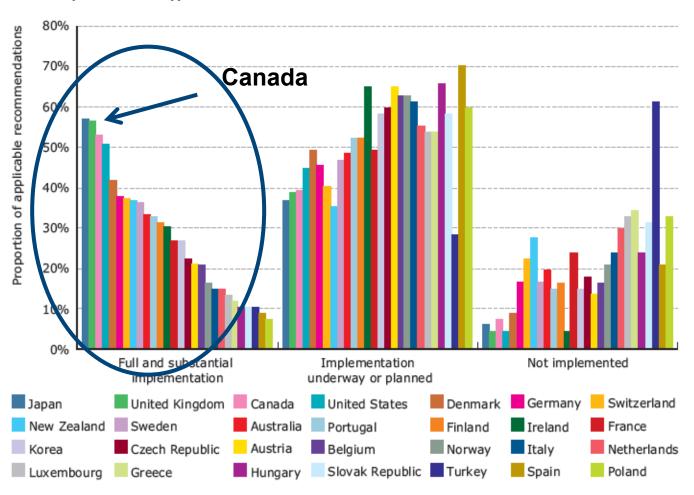


Canada is 3rd ranked for having a comprehensive mix of measures

Figure 1
Level of implementation of applicable IEA recommendations, all IEA countries, all recommendations



 $4^{th} = U.S.A.$





Ressources naturelles Canada

